

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A compound semiconductor light-emitting device comprising:

a substrate having an upper surface, a lower surface, and a plurality of device side surfaces; and

a light-emitting layer grown on the upper surface of said substrate,

wherein at least one of the device side surfaces has an array of recessed portions, individual ones of the recessed portions extend from the lower surface to the upper surface of the substrate, and individual ones of the recessed portions have a semi-circular shape in cross section parallel to the upper surface of the substrate, and

wherein the depth of individual ones of the recessed portions is a radius of the semi-circular shape in a direction parallel to the upper surface of the substrate, and the height of individual ones of the recessed portions from the lower surface to the upper surface of the substrate is at least 20 μm , and wherein a distance of 4 to 40 μm is maintained between adjacent recessed portions in the array of the recessed portions.
2. (canceled).
3. (original) A light-emitting device according to claim 1, wherein the light-

emitting layer comprises an n-type or p-type compound semiconductor and is of the pn junction type.

4. (original) A light-emitting device according to claim 1, wherein the substrate is selected from the group consisting of a sapphire, a SiC and a III-V Group compound semiconductor single crystal.

5. (canceled).

6. (currently amended): A light-emitting device according to claim 1, wherein the depth of individual ones of the recessed portions is ~~about~~ 0.5 to 10 ~~um~~um.

7. (original) A light-emitting device according to claim 1, wherein the compound semiconductor light-emitting device is of the flip-chip type.

8-17. (canceled).

18. (original) A lamp comprising a compound semiconductor light-emitting device of claim 1.

19. (original) A source of light comprising a lamp of claim 18.